

=> d his

(FILE 'HOME' ENTERED AT 16:39:02 ON 24 JUL 2002)

FILE 'BIOSIS, CAPLUS, BIOTECHNO' ENTERED AT 16:39:56 ON 24 JUL 2002

L1	14415 S ANION EXCHANGE CHROMATOGRAPHY
	SET PLURALS ON
L2	0 S NUCLEI ACID PURIFICATION AND L1
L3	5 S NUCLEIC ACID PURIFICATION AND L1
L4	62 S POLYSTYRENE AND L1
L5	5 S NUCLEIC ACID PURIFICATION AND POLYSTYRENE

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:837638 CAPLUS
 DN 123:283735
 TI Chromatographic removal of endotoxins from macromolecules manufactured by fermentation
 IN Colpan, Metin; Moritz, Peter; Schorr, Joachim
 PA Qiagen GmbH, Germany
 SO PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9521179	A1	19950810	WO 1995-EP391	19950203
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 4432654	A1	19960321	DE 1994-4432654	19940914
	DE 4432654	C2	19980326		
	CA 2182388	AA	19950810	CA 1995-2182388	19950203
	CA 2182397	AA	19950810	CA 1995-2182397	19950203
	AU 9515777	A1	19950821	AU 1995-15777	19950203
	AU 693511	B2	19980702		
	WO 9608500	A1	19960321	WO 1995-EP392	19950203
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9516647	A1	19960329	AU 1995-16647	19950203
	EP 775150	A1	19970528	EP 1995-907641	19950203
	EP 775150	B1	19990428		
	R: AT, BE, CH, DE, DK, FR, GB, IE, IT, LI, LU, NL, SE				
	EP 781291	A1	19970702	EP 1995-908259	19950203
	R: CH, DE, FR, GB, LI				
	JP 09508407	T2	19970826	JP 1995-520391	19950203
	AT 179425	E	19990515	AT 1995-907641	19950203
	US 5747663	A	19980505	US 1996-687522	19960930
	US 6274371	B1	20010814	US 1997-809072	19970619
PRAI	DE 1994-4403692	A	19940207		
	DE 1994-4422291	A	19940625		
	DE 1994-4431125	A	19940901		
	DE 1994-4432654	A	19940914		
	WO 1995-EP391	W	19950203		
	WO 1995-EP392	W	19950203		

ST **nucleic acid purifn** anion exchange;
anion exchange chromatog nucleic acid;
 Escherichia nucleic acid anion exchange; hepatoma nucleic acid anion
 exchange

IT Animal cell line
 (3924A, **nucleic acid purifn.** from,
anion-exchange chromatog. in)

IT Cytolysis
 (agents for, in kit for nucleic acid sepn. by **anion-
 exchange chromatog.**)

IT Surfactants
 (in kit for nucleic acid sepn. by **anion-exchange
 chromatog.**)

IT Salts, uses and miscellaneous
 RL: USES (Uses)
 (in **nucleic acids purifn.**)

IT Escherichia coli
 (**nucleic acid purifn.** from, **anion
 -exchange chromatog.** in)

IT Deoxyribonucleic acids
Nucleic acids
 RL: PUR (Purification or recovery); PREP (Preparation)
 (**purifn.** of, by **anion-exchange
 chromatog.**)

IT Surfactants
 (amphoteric, in kit for nucleic acid sepn. by **anion-
 exchange chromatog.**)

IT Chromatography, column and liquid
 (anion-exchange, in **nucleic acid purifn.**)

IT 57407-08-6
 RL: ANST (Analytical study)
 (for **nucleic acid purifn.** by
anion-exchange chromatog.)

IT 133876-61-6, DEAE-Sepharose "Fast Flow"
 RL: ANST (Analytical study)
 (for **nucleic acid purifn.**, by
anion-exchange chromatog.)

IT 77-86-1, Tris 9001-63-2, Lysozyme 39450-01-6
 RL: ANST (Analytical study)
 (in kit for nucleic acid sepn. by **anion-exchange
 chromatog.**)

IT 50-01-1, Guanidine hydrochloride 60-00-4, EDTA, uses and miscellaneous
 107-43-7, Betaine 9036-19-5, Octylphenoxy polyethoxyethanol
 RL: ANST (Analytical study)
 (in leit for nucleic acid sepn. with **anion exchange
 chromatog.**)

IT 9001-99-4 7647-14-5, Sodium chloride, uses and miscellaneous
 RL: ANST (Analytical study)
 (in **nucleic acid purifn.**, by
anion-exchange chromatog.)

ACCESSION NUMBER: 1991:602739 CAPLUS
 DOCUMENT NUMBER: 115:202739
 TITLE: Method and kit for purifying nucleic acids
 INVENTOR(S): Reardon, Melissa A.; Klein, Lisa S.
 PATENT ASSIGNEE(S): Boehringer Mannheim Corp., USA
 SOURCE: U.S., 8 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

US 4997932	A	19910305	US 1989-434324	19891113
WO 9107422	A1	19910530	WO 1990-US4276	19900731
W: JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
EP 508985	A1	19921021	EP 1990-911986	19900731
EP 508985	B1	19970409		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
EP 747387	A2	19961211	EP 1996-113113	19900731
EP 747387	A3	19961218		
R: DE, ES, FR, GB, IT				
EP 747388	A1	19961211	EP 1996-113114	19900731
EP 747388	B1	19990922		
R: DE, ES, FR, GB, IT				
AT 151433	E	19970415	AT 1990-911986	19900731
ES 2100887	T3	19970701	ES 1990-911986	19900731
ES 2139292	T3	20000201	ES 1996-113114	19900731
PRIORITY APPLN. INFO.:			US 1989-434324	A 19891113
			EP 1990-911986	A3 19900731
			WO 1990-US4276	W 19900731

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

TI Isolation and purification of nucleic acids from biological samples by
anion-exchange chromatography

ST nucleic acid **anion exchange chromatog**;
mucopolysaccharide sepn DNA **anion exchange chromatog**

IT Escherichia coli
(DNA of, purifn. of, by **anion-exchange chromatog.**)

IT Quaternary ammonium compounds, uses and miscellaneous
RL: USES (Uses)
(anion exchangers contg., **nucleic acids purifn.** with)

IT Chlorides, uses and miscellaneous
RL: USES (Uses)
(in **nucleic acid purifn.** by **anion-exchange chromatog.**)

IT Blood
Body fluid
Feces
Sputum
Urine
(**nucleic acids purifn.** from, by **anion-exchange chromatog.**)

IT Cell
Virus
(nucleic acids sepn. from components of, by **anion-exchange chromatog.**)

IT Pigments
Proteins, uses and miscellaneous
RL: USES (Uses)
(nucleic acids sepn. from, by **anion-exchange chromatog.**)

IT Deoxyribonucleic acids
Nucleic acids
Ribonucleic acids
RL: PUR (Purification or recovery); PREP (Preparation)
(**purifn.** of, by **anion-exchange chromatog.**)

IT Mucopolysaccharides, uses and miscellaneous
RL: USES (Uses)
(acid, nucleic acids sepn. from, by **anion-exchange chromatog.**)

IT Chromatography, column and liquid
(anion-exchange, **nucleic acids purifn.** by)

IT Microorganism
(pathogenic, DNA of, purifn. of, by **anion-exchange chromatog.**)

IT Mucopolysaccharides, compounds
RL: USES (Uses)
(sulfated, nucleic acids sepn. from, by **anion-exchange chromatog.**)

IT Amines, uses and miscellaneous
RL: USES (Uses)
(tertiary, anion exchangers contg., **nucleic acids purifn.** with)

IT 7447-40-7, Potassium chloride, uses and miscellaneous 7647-14-5, Sodium chloride, uses and miscellaneous 12125-02-9, Ammonium chloride, uses and miscellaneous
RL: USES (Uses)
(in **nucleic acid purifn.** by **anion-exchange chromatog.**)

IT 96639-13-3, Fractogel TSK-DEAE 650 101964-02-7, QAE-Glycophase

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

AN 1997:257484 CAPLUS

DN 126:235610

TI Method and apparatus for isolating nucleic acid by binding to solid,
hydrophilic org. matrixes

IN Su, Xing

PA Theobald Smith Research Institute, Inc., USA; Su, Xing

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 9708547	A1	19970306	WO 1996-US13626	19960826
	W: AU, CA, CN, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5804684	A	19980908	US 1995-519039	19950824
	AU 9668575	A1	19970319	AU 1996-68575	19960826
PRAI	US 1995-519039		19950824		
	WO 1996-US13626		19960826		

RL: ANST (Analytical study)
(nucleic acid purifn. by anion-
exchange chromatog. on)

ACCESSION NUMBER: 1989:150938 CAPLUS
DOCUMENT NUMBER: 110:150938
TITLE: Isolation and purification of nucleic acids from
biological samples by anion-exchange
chromatography
INVENTOR(S): Seligson, David B.; Shrawder, Elsie J.
PATENT ASSIGNEE(S): Molecular Biosystems, Inc., USA
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
EP 270017	A2	19880608	EP 1987-117540	19871127
EP 270017	A3	19900321		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4935342	A	19900619	US 1986-936163	19861201
IL 84634	A1	19911121	IL 1987-84634	19871127
NO 8704979	A	19880602	NO 1987-4979	19871130
NO 169541	B	19920330		
NO 169541	C	19920708		
AU 8781927	A1	19880616	AU 1987-81927	19871130
AU 600997	B2	19900830		
CA 1313359	A1	19930202	CA 1987-553135	19871130
DK 8706316	A	19880602	DK 1987-6316	19871201
DK 167616	B1	19931129		
JP 63154696	A2	19880627	JP 1987-304407	19871201
JP 2564335	B2	19961218		
PRIORITY APPLN. INFO.:			US 1986-936163	19861201